XTP SR HDMI

Long Distance XTP Scaling Receiver

DESCRIPTION

The Extron **XTP SR HDMI** is an XTP receiver that scales HDMI, DVI, RGB, HD component video, and standard definition video to the optimal output resolution for the display. It accepts video, audio, bidirectional RS-232 and IR, and Ethernet up to 330 feet (100 m) over a single CAT 5-type cable. The receiver features HDMI audio de-embedding with digital S/PDIF or analog stereo audio outputs. It also allows Ethernet extension and insertion of bidirectional RS-232 and IR for LAN access and AV device control at remote locations. The XTP SR HDMI scaling receiver works with the XTP CrossPoint® System for signal distribution and long-distance transmission to remote endpoints.

FEATURES

- Receives video with embedded audio, bidirectional RS-232 and IR, and Ethernet up to 330 feet (100 m) over a single CAT 5-type cable
- Scales HDMI, DVI, RGB, HD component video, and standard definition video received from XTP devices
- Selectable output rates from 640x480 to 1920x1200, including HDTV 1080p/60
- Bidirectional RS-232 and IR insertion for AV device control
- Supported HDMI specification features include data rates up to 6.75 Gbps, Deep Color up to 12-bit, 3D, and HD lossless audio formats
- HDCP compliant
- EDID Minder® automatically manages EDID communication between connected devices
- Key Minder® continuously verifies HDCP compliance for quick, reliable switching
- Ethernet extension
- HDMI audio de-embedding with analog stereo and digital S/PDIF audio outputs
- Remote power capability
- Supports multiple embedded audio formats
- Supports DDC transmission
- Selectable HDMI audio pass-through
- Audio output volume adjustment and muting
- Contact closure device control
- 1080i deinterlacing
- Auto-Image™ automatically optimizes output
- Aspect ratio control
- Image freeze control
- Internal test patterns for calibration and setup
- Comprehensive, LED indicators for signal presence, HDCP, and power
- RJ-45 signal and link status LED indicator for XTP port
- Compatible with all XTP integrated system products

SPECIFICATIONS

VIDEO	
Resolution range	Up to 1080p (HDTV) or 1920x1200 (the highest resolution of the single link DVI standard) @ 60 Hz
Signal type	Single-link HDMI (or DVI-D*)
EDID and DDC	Supports Extended Display Identification Data (EDID) and Display Data Channel (DDC) data using DVI and HDMI standards. EDID and DDC signals are actively buffered.
HDCP	Compliant with High-bandwidth Digital Content Protection (HDCP) using DVI and HDMI 1.3 standards
Maximum data rate	6.75 Gbps (2.25 Gbps per color)
Standards	DVI 1.0, HDMI 1.3a, HDCP 1.1
INTERCONNECTION BETWEEN TRANSMITTER AND RECEIVER	
Connectors	1 female RJ-45 per unit for TP cable connecting the transmitter or switcher and receiver
Termination standards	TIA/EIA T568A or T568B
Signal transmission distance	330' (100 m) using CAT 5e/6 UTP or STP cable
VIDEO PROCESSING	
Digital sampling	24 bit, 8 bits per color, 165 MHz standard
Colors	16.78 million
VIDEO OUTPUT	
Number/signal type	1 single link HDMI (or DVI-D*)
AUDIO	
AUDIO OUTPUT	
Number/signal type	1 analog stereo (2 channel), balanced/unbalanced 1 digital stereo, embedded with HDMI output 1 S/PDIF digital audio, coax
CONTROL/REMOTE - EXTERNAL DEVICE (PASS-THROUGH, UNIDIRECTIONAL OR BIDIRECTIONAL)	
Serial control port input/output	1 set of proprietary signals on a female RJ-45 jack
Serial control port output/input	RS-232 (±5 V) via (1) 3.5 mm, 5 pole captive screw connector (uses 3 poles) (connector is shared with IR control port)
Baud rates	Up to 115200 baud
Ethernet pass-through port	1 female RJ-45 connector
Ethernet data rate	10/100Base-T, half/full duplex with autodetect
IR control port	(1) 3.5 mm, captive screw connector, 5 pole (connector is shared with RS-232 control port) TTL level (0 to 5 V) modulated infrared control from 30 kHz up to 40 kHz
Relay number/type	2 normally open relays
Relay control contact rating	24 V, 1 A
GENERAL	
Power supply	External Input: 100-240 VAC, 50-60 Hz Output: 12 VDC, 1 A, 12 watts
NOTE: Each XTP transmitter or receiver can be powered either locally by an external power supply or remotely using an optional power inserter.	
Enclosure dimensions	1.0" H x 8.75" W x 6.0" D (half rack wide) (2.5 cm H x 22.2 cm W x 15.2 cm D) (Depth excludes connectors.)
NOTE: Specifications are subject to change without notice.	

For complete specifications, please go to www.extron.com

MODEL	VERSION DESCRIPTION	PART #
XTP SR HDMI	XTP Scaling Receiver	60-1199-01